



NN-1109 PROLINE

ASSEMBLY INSTRUCTIONS

REPLACEMENT PARTS

WEIDER HEALTH AND FITNESS

21100 ERWIN STREET, WOODLAND HILLS, CA., USA 91367

D631	PARTS LIST 09-14-90		
DIAGRAM NO	PART NAME	QTY	ORDERING NO
1	BASE FRAME	1	C1176-D19
2	SIDE FRAME	2	C1177-D19
3	TOP FRAME	1	C1178-D19
4	REAR FRAME SUPPORT (RIGHT)	1	C1179-D19
5	REAR FRAME SUPPORT (LEFT)	1	C1180-D19
6	REAR BASE FRAME	1	C1181-D19
7	BACKREST SUPPORT	1	C2102-D25
8	BACKREST TUBE	1	C1183-D19
9	SEAT	1	C1320-D19
10	BACKREST	1	C1319-D19
11	PLASTIC FRAME SHROUD (RIGHT)	1	C0614-D19
12	PLASTIC FRAME SHROUD (LEFT)	1	C0615-D19
13	LARGE PLASTIC COVER PLATE	1	C0616-D19
14	SMALL PLASTIC COVER PLATE	1	C0617-D19
15	PIVOT TUBE (ZINC PLATED) 1" X 18"	1	C1184-D19
	ROLLER BRACKET (FLAT)	2	C1185-D19
16 17	BENCH PRESS CROSS BRACE	1	C1186-D19
	BENCH PRESS ARM	2	C1187-D19
18	BENCH PRESS HANDLES	2	C1188-D19
19	LEG EXTENSION ARM	1	C1189-D19
20	LEG EXTENSION COVER	1	C1190-D19
21	LATCH HOOK	1	C6900-D19
22	CHROME WEIGHT PIN	. 1	C6300-D19
23	CHROME WEIGHT FIN CHROME ROLLER BAR 1" X 24"	1	C6301-D19
24	FOAM ROLLER PAD 4" X 6"	HOME HOLLEN BAN 1 X 24	
26	FOAM ROLLER PAD 4" X 6" FOAM ROLLER PAD 2 1/2" X 7"	EN FAD 4 A 0	
27	CHROME PAD BAR 3/4" X 17"	1	C0426-A14 C6302-D19
28	ROLLER BRACKET (ROUND)	1	C1191-D19
29		1	C0283-D25
73	FLY ARM (LEFT)	1	C0282-D25
74	FLY ARM (RIGHT) WEIGHT STACK PIN (1" X 10")	2	C6304-D20
75		2	C6241-D20
76	NYLON CABLE		
	WERDINARY DAG (MILITS & ROLTS)	1	C5852-D25
	HARDWARE BAG (NUTS & BOLTS)	1	C5853-D25
	HARDWARE BAG (PLASTICS & BRACKETS)	1	HH-5285
25	PLASTIC KNOB	4	AA-8113
	30 RUBBER FOOT		AA-8114
31	2" SQUARE OPEN END CAP	7	AA-8001
32	1 1/2" SQUARE PLASTIC CAP	1	AA-8002
33	2" SQUARE PLASTIC CAP	4	AA-8115
34	1 1/2" SQUARE OPEN END CAP	1	C6901-D19
35	ANGLE BRACKET	2	C6902-D19
36 BACKREST "L" BRACKET			00902°D13

AA-8116

WW-7002

1

2

2" DIAMETER ROLLER

SMALL LOCK PIN

37

38

DIAGRAM NO	PART NAME	QTY	ORDERING NO		
39			C0438-C19		
40			AA-8014		
41	1 3/4" SQUARE PLASTIC COVER CAP	1	AA-8117		
42	1" ROUND PLASTIC CAP	7	AA-8005		
43	ROUND WEIGHT BUMPER	3	AA-8016		
44	3/4" ROUND PLASTIC CAP	2	AA-8004		
45	5/16"-18 X 3/4" HEX HEAD BOLT	2	HH-5245		
46	5/16"-18 X 2 1/4" HEX HEAD BOLT	3	HH-5199		
47	** 5/16"-18 X 2 1/2" HEX HEAD BOLT	7	HH-5053		
48	5/16"-18 X 2 3/4" HEX HEAD BOLT	1	HH-5058		
49	* 5/16"-18 X 3 1/2" HEX HEAD BOLT	4	HH-5294		
50	5/16"-18 X 5 1/2" HEX HEAD BOLT	4	HH-5295		
51	5/16" FLAT WASHER	24	HH-5127		
52	*** 5/16" HEX NUT	20	HH-5296		
53	1/4"-20 X 3/4" SLOT HEAD SCREW	2	HH-5022		
54	1/4"-20 X 2 1/4" SLOT HEAD SCREW	4	HH-5288		
56	1/4"-20 X 2 3/4" SLOT HEAD SCREW	2	HH-5289		
57	1/4" HEX NUT	2	HH-5028		
58	5/32" SELF TAPPING SCREW	8	HH-5310		
59	5/32" FLAT WASHER	8	HH-5048		
62			HH-5061		
63	3/8" HEX NUT	1	HH-5293		
	64 LARGE LOCK PIN 65 7/8" X 13" DECAL - STRIPE 66 SHROUD DECAL 67 BENCH PRESS DECAL (PAIR) 68 LEG EXTENSION DECAL 69 EYELET PIN		WW-7006		
			DE-4130		
			DE-4121		
			DE-4132		
			DE-4126		
				1	WW-7005
70			AA-8073		
71			BB-0216		
77			HH-5259		
	DUMBBELL HANDLE	2	AA-8119		
78 79	PLASTIC BUSHING (2")	2	AA-8091		
	STOPPER PIN	2	WW-7038		
80 81	5/16"-18 X 1 3/4" HEX HEAD BOLT	2	HH-5301		
82	7/8" ROUND PLASTIC CAP	2	AA-8088		
62	TRAINING MANUAL	1	CNN-1094		
		1 1	CNN-1080		
	WALL CHART		CNN-1109		
	ASSEMBLY MANUAL	1	CIVIN-1109		
	# ONE DDE ACCEMBLED				
	* ONE PRE-ASSEMBLED				
	** TWO PRE-ASSEMBLED		-		
*** THREE PRE-ASSEMBLED					
			J		

BEFORE BEGINNING ASSEMBLY READ THE FOLLOWING

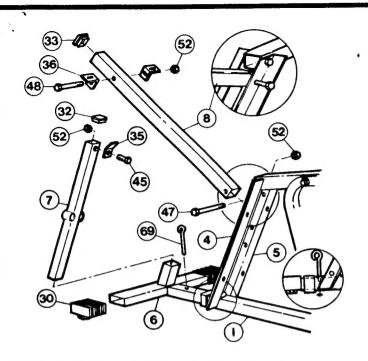
THIS PRODUCT REPRESENTS THE STATE OF THE ART IN TECHNOLOGY IN HOME FITNESS EQUIPMENT. EVERY EFFORT HAS BEEN MADE TO BRING TO YOU A PRODUCT OF THE HIGHEST QUALITY AND WORKMANSHIP. WE HOPE YOU WILL FIND THIS PRODUCT BENEFICIAL TO YOUR PHYSICAL CONDITIONING AND WELL BEING.

DO NOT LET THE QUANTITY OF PARTS DISCOURAGE YOU. BY READING AND FOLLOWING THE ASSEMBLY INSTRUCTIONS, YOU WILL FIND IT GOES TOGETHER EASILY. THIS UNIT TAKES APPROXIMATELY THREE HOURS OF ASSEMBLY TIME.

HELPFUL HINTS FOR ASSEMBLY

- 1. TOOLS REQUIRED FOR ASSEMBLY INCLUDE: A HAMMER, PLIERS, MEDIUM SIZE FLAT HEAD SCREWDRIVER, AND TWO 6" ADJUSTABLE WRENCHES.
- 2. PRIOR TO BEGINNING THE ASSEMBLY OF THIS PRODUCT WE RECOMMEND THAT YOU TAKE A FEW MINUTES TO UNPACK AND LAY OUT ALL THE PARTS SO THEY CAN BE EASILY IDENTIFIED. INCLUDED WITH THE LITERATURE OF THE UNIT IS AN ILLUSTRATED PARTS LIST TO HELP IN IDENTIFYING AND SIZING PARTS. IT IS EXTREMELY HELPFUL IF THE CONTENTS OF THE HARDWARE BAG ARE EMPTIED OUT AND LIKE PARTS GROUPED TOGETHER; I.E. 5/16" X 3" HEX HEAD BOLTS TOGETHER, ETC. A HANDY PLACE TO HOLD THE HARDWARE MIGHT BE TO USE THE INSIDE OF THE CARTON TOP. AFTER GROUPING, PARTS AGAINST THE HARDWARE ILLUSTRATIONS AND PARTS LIST TO IDENTIFY PARTS AND SIZES, WRITE THE SIZE AND PART NAME BESIDE EACH PART SO YOU KNOW EXACTLY WHICH PART TO GO TO FOR A PARTICULAR ITEM.
- 3. THE ASSEMBLY INSTRUCTIONS HAVE BEEN WRITTEN USING CHECK AS YOU GO ASSEMBLY METHOD. BY CHECKING THE BOXES AS YOU GO IT IS VERY EASY TO FOLLOW ALONG THE ASSEMBLY WITHOUT REREADING TO FIND YOUR PLACE IN THE ASSEMBLY.
 - YOU WILL ALSO NOTICE THAT AT THE BEGINNING OF EACH ASSEMBLY STEP THERE IS A HARDWARE LIST SHOWING THE QUANTITY AND DESCRIPTION OF THE HARDWARE REQUIRED TO DO ALL ASSEMBLIES IN THAT STEP. BY PRE-SELECTING THE HARDWARE FOR EACH STEP YOU WILL SAVE TIME AND CONFUSION.
- 4. TAKE NOTE OF ANY SPECIAL WARNINGS, CAUTIONS, NOTES OR NOTICES. LAY OUT UNASSEMBLED PARTS: FAMILIARIZE YOURSELF WITH THE DRAWINGS THEN READ AND UNDERSTAND THE INSTRUCTIONS THOROUGHLY.
- 5. THIS PRODUCT MUST BE ASSEMBLED BY AN ADULT PRIOR TO USE.
- 6. DO NOT DESTROY THE PACKING AND CARTON UNTIL THE UNIT IS COMPLETELY ASSEMBLED.
- 7. DO NOT DESTROY THE INSTRUCTION MANUAL, USE IT FOR ORDERING REPLACEMENT PARTS.
- 8. TO HELP SECURE PLASTIC CAPS IN TUBING IT IS ADVISABLE TO GLUE ON ALL PLASTIC CAPS DURING ASSEMBLY USING ANY HOUSEHOLD TYPE GLUE.
- 9. PERIODICALLY CHECK THE UNIT FOR BOLT TIGHTNESS AND PARTS WEAR TO INSURE THAT YOUR EQUIPMENT IS KEPT IN TOP CONDITION. THE PLASTIC SHROUDS PROTECTING YOUR MACHINE SHOULD BE CLEANED PERIODICALLY WITH MILD SOAP AND WATER.

STEP 1 BENCH FRAME ASSEMBLY HARDWARE PART NAME QTY 5/16" X 3/4" HEX HEAD BOLT 5/16" X 2 1/2" HEX HEAD BOLT 5/16" X 5 1/2" HEX HEAD BOLT 5/16" FLAT WASHER 5/16" HEX NUT 2" SQUARE OPEN END PLASTIC CAP 1 ☐ Insert and center PIVOT TUBE (15) into BASE FRAME (1) and secure with 5/16" X 3/4" HEX HEAD BOLT (45). Press RUBBER BASE FEET (30) onto each end of Rectangular Base Frame Section and 2" SQUARE OPEN END CAP (31) onto Rear of BASE FRAME (1). Slide curved SIDE FRAMES (2) over PIVOT TUBE (15) and bolt to BASE FRAME (1) using 5/16" X 5 1/2" HEX HEAD BOLTS (50), 5/16" FLAT WASHERS (51), and 5/16" HEX NUTS (52). Make this and all subsequent connections in this step only moderately tight so adjustments can be made in a future step without loosening bolts. Light Align bolt holes in TOP FRAME ASSEMBLY (3) and SIDE FRAMES (2) and assemble with 5/16" X 5 1/2" HEX HEAD BOLT (50). 5/16" FLAT WASHERS (51), and 5/16" HEX NUTS (52). ☐ REMEMBER, DO NOT TIGHTEN! Assemble REAR FRAME SUPPORTS (4) and (5) to TOP FRAME (3) using 5/16" x 2 1/2" HEX HEAD BOLT (47) and 5/16" HEX NUT (52). Attach lower end of REAR FRAME SUPPORTS (4) and (5) to BASE FRAME (1) using another 5/16" x 2 1/2" HEX HEAD BOLT (47) and 5/16" HEX NUT (52). STEP 2 REAR BASE ASSEMBLY Assemble two RUBBER BASE FEET (30) to REAR BASE FRAME (6). HARDWARE Slide this section into MAIN BASE FRAME (1). PART NAME QTY 5/16" X 3/4" HEX HEAD BOLT Attach ANGLE BRACKET (35) to BACKREST SUPPORT (7) with 5/16" 5/16" X 2 1/2" HEX HEAD BOLT X 3/4" HEX HEAD BOLT (45) and 5/16" HEX NUT (52). Press 1 1/2" SQUARE PLASTIC CAP (32) into this end of Support Tube. 5/16" X 2 3/4" HEX HEAD BOLT 5/16" HEX NUT 3 Mount Support Tube into Holder on REAR BASE FRAME (6). 1 1/2" SQUARE PLASTIC CAP 1 2" SQUARE PLASTIC CAP Position BACKREST TUBE (8) between REAR FRAME SUPPORTS (4) EYELET PIN and (5) so that the three slots are facing down and attach with 5/16" X 2 1/2" HEX HEAD BOLT (47) and 5/16" HEX NUT (52). (See detail drawing for assistance.) THIS BOLT CAN BE TIGHTENED SNUGLY **BUT DO NOT OVER TIGHTEN!** 5



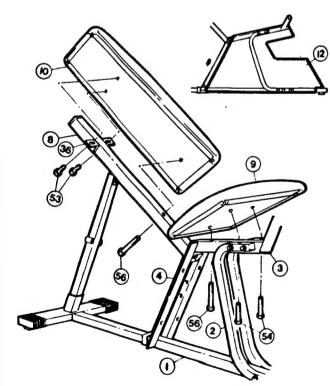
Loosely assemble BACKREST BRACKETS (36) to Backrest Tube with 5/16" X 2 3/4" HEX HEAD BOLT (48) and 5/16" HEX NUT (52). Cap tube with 2" SQUARE PLASTIC CAP (33).

EYELET PIN (69) should be inserted into the rear of the Base Frame and through the hole in the sliding Rear Base Frame when the Base is in its' fully compressed position. (SEE ILLUSTRATION)

STEP 3 SEAT AND BACKREST ASSEMBLY

HARDWARE

PART NAME	C	TY
1/4" X 3/4" SLOT	HEAD SCREW	2
Mark to right warm of		
1/4" X 2 1/4" SLC		2
1/4" X 2 3/4" SLC	OT HEAD SCREW	2



Before assembling Seat, take one of the PLASTIC SIDE COVERS (12) and fit it to the frame so that the shroud is over the Curved Side Supports and up against the Rear Frame Support and forward against the Base Frame Front Foot.

Adjust the Base Frame Front Foot.

Adjust the Frame Members slightly if necessary to obtain the best fit.

Remove the Plastic Shroud and securely tighten all bolts.

Align bolt holes in SEAT (9) with mounting holes in Frame Members. Using a 1/4" X 2 3/4" SLOT HEAD SCREW (56) through TOP FRAME (3), attach rear of Seat.

Using 1/4" X 2 1/4" SLOT HEAD SCREWS (54), attach front of Seat through curved SIDE FRAME (2).

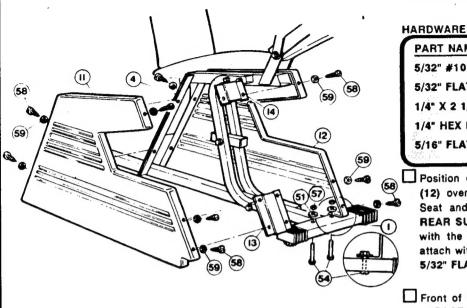
Make this attachment very loosely so shroud can be fit between Seat and Frame in a future step.

Align holes in BACKREST "L" BRACKETS (36) with back of BACKREST (10) and attach with 1/4" X 3/4" SLOT HEAD SCREWS (53).

Attach bottom of Backrest to Backrest Tube using 1/4" X 2 3/4" SLOT HEAD SCREW (56).

Tighten Hex Bolt holding Backrest Angles to Backrest Bar securely.

STEP 4 ATTACHING PLASTIC SHROUDS



IAIIDWAIIE	
PART NAME	QTY
5/32" #10 SELF TAPPING SCREW	10
5/32" FLAT WASHER	10
1/4" X 2 1/4" SLOT HEAD SCREW	2
1/4" HEX NUT	2
5/16" FLAT WASHER	2

Position each PLASTIC FRAME SHROUD (11) and (12) over Pivot Tube so that they slip between the Seat and Frame and snugly over and against the REAR SUPPORTS (4) and (5). Align holes in Cover with the mounting holes in the Rear Supports and attach with 5/32" SELF TAPPING SCREWS (58), and 5/32" FLAT WASHERS (59).

Front of Shroud should fit tightly against Front Foot of BASE FRAME (1).

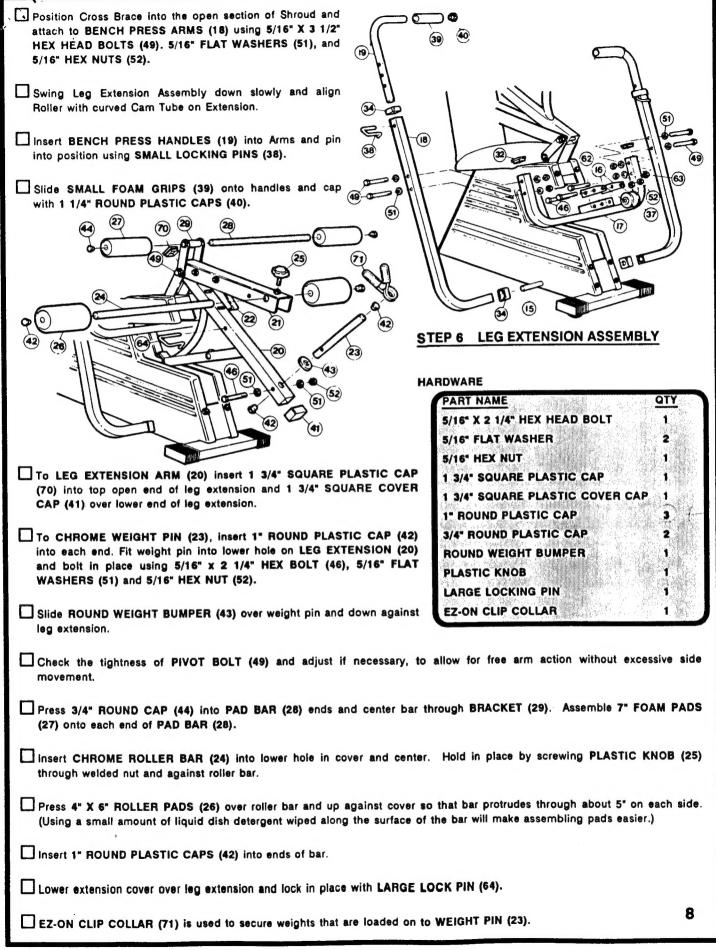
- At this point, tighten the three Seat Mounting Screws under the Seat to firmly hold the top of shroud between the Seat and Frame.
- Next, using two 1/4" X 2 1/4" SLOT HEAD SCREWS (54), 5/16" FLAT WASHERS (51), and 1/4" HEX NUTS (57) bolt down the front lower corners of shrouds trapping the plastic between the washer and frame. SEE DETAIL DRAWING!
- Finally, insert the LARGE PLASTIC COVER PLATE (13) into lower portion of shrouds. Align holes and bolt together with 5/32" SELF TAPPING SCREWS (58), and 5/32" FLAT WASHERS (59).
- Insert SMALL PLASTIC COVER PLATE (14) behind upper portion of shroud and attach with 5/32" SELF TAPPING SCREWS (58) and 5/32" FLAT WASHERS (59).

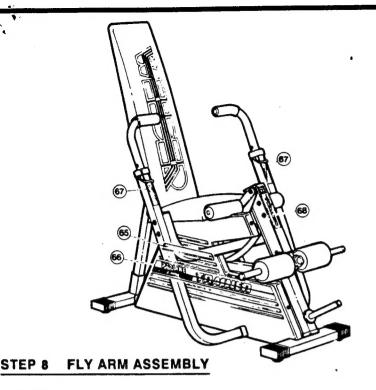
STEP 5 BENCH PRESS ASSEMBLY

HARDWARE

PART NAME		<u>oty</u>
5/16 X 2 1/4" HEX HEAD B	OLT	2
5/16" X 3 1/2" HEX HEAD	BOLT	4
5/16" FLAT WASHER		8
5/16" HEX NUT		6
3/8" X 2 1/4" HEX HEAD B	OLT	1
3/8" HEX NUT		1
1 1/2" SQUARE OPEN EN	PLASTIC CAP	4
1 1/2" SQUARE PLASTIC	CAP	2
1 1/4" ROUND PLASTIC C	AP	2
SMALL LOCKING PIN		2

- First, swing Leg Extension Assembly back over Seat to get it out of the way.
- Press 1 1/2" SQUARE OPEN END PLASTIC CAP (34) onto each end of BENCH PRESS ARMS (18). Slide arms onto PIVOT TUBE (15) and up against Plastic Shroud.
- Next, assemble ROLLER BRACKETS (16) to the center tube on BENCH PRESS CROSS BRACE (17) with 5/16" X 2 1/4" HEX HEAD BOLTS (46) and 5/16" HEX NUTS (52)
- Bolt the 2" DIAMETER ROLLER (37) in position between the Roller Brackets using 3/8" X 2 1/4" HEX HEAD BOLT (62) and 3/8" HEX NUT (63). Do not tighten enough to keep the roller from turning freely.
- Press 1 1/2" SQUARE PLASTIC CAPS (32) into ends of Cross Brace.



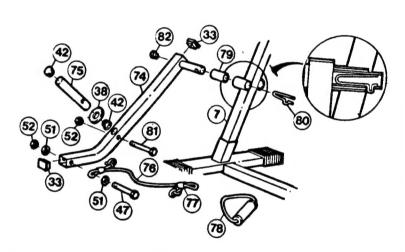


STEP 7 DECAL ASSEMBLY

- NOTE: To make application of decals easier, peel only a small end section of backsheet back and align decal and press exposed adhesive section down against surface. If decal is positioned properly, remove remaining backing and finish application.
- Assemble 7/8" X 13" STRIPE (65) to upper recessed areas in plastic shroud.
- Affix LARGE SHROUD DECAL (66) to shroud sides by positioning decal about 1/2" above molded recess in bottom section of shroud. Align front of decal with molded stripes.
- Affix BENCH PRESS DECAL (67) to arms directly below bottom edge of plastic caps.
- Position LEG EXTENSION DECAL (68) to upper portion of extension cover and press into place.

HARDWARE

	PART N	AME			QTY
		1 3/4" H 2 1/2" H	1000 美国民		2
		AT WAS		D BOLI	4
	5/16" HI	EX NUT			4
		QUARE			4
		ND PLAS UND PL			4 2
Ü		WEIGH	* Property		2
	2" LONG	3 PLAST	IC BUSI	HING	2
	STOPPE	R PIN			2
	3/4" ALI	MUNIMU	FERRU	LE	



- Press 1 1/2" SQUARE PLASTIC CAP (33) into each end of FLY ARMS (73) and (74).
- Press 1" ROUND PLASTIC CAP (42) into each end of WEIGHT STACK PIN (75) and bolt pin to FLY ARM (74) and (75) with 5/16" X 1 3/4" HEX HEAD BOLT (81) and 5/16" HEX NUT (52).
- Slide WEIGHT BUMPER (38) over weight pin and down against fly arm.
- Press 2" PLASTIC BUSHING (79) into welded bushing on BACKREST SUPPORT (7). Insert fly arm pivot tube into back side of support so tube extends through bushing. Lock into place using STOPPER PIN (80). (SEE DETAIL INSERT) Cap opposite end of pivot tube with 7/8" ROUND PLASTIC CAP (82).
- Insert NYLON CABLE (76) through 3/4" FERRULE (77) and loop around mid-point of DUMBBELL HANDLE (78). Pass cable back through ferrule and tie a knot in the end of the cable to prevent it from pulling back through. Pull cable tight to snug knot against ferrule and dumbbell handle.
- Form a loop in the other end of the cable as done for dumbbell handle. Using a 5/16" X 2 1/2" HEX HEAD BOLT (47), 5/16" FLAT WASHER (51), and 5/16" HEX NUT, trap cable loop between flat washer and fly arm. Pull cable loop tight around bolt and tighten bolt so as to secure cable in place. DO NOT OVERTIGHTEN as cable should be loose enough to pivot around bolt.

REPAIR PARTS AND SERVICE

IMPORTANT

BEFORE CALLING THE 800 NUMBER

IN ORDER TO RECEIVE SERVICE ON THIS PRODUCT YOU WILL HAVE TO FIRST SEND IN YOUR WARRANTY CARD

CUSTOMER SERVICE 1-800-225-0653

ALL OF THE PARTS FOR THE WEIGHTBENCH CAN BE ORDERED FROM WEIDER HEALTH AND FITNESS, PARTS SERVICE DEPT., 900 WEST ST JOHN ST OLNEY, IL. 62450. WHEN ORDERING, PARTS WILL BE SENT AND BILLED AT THE CURRENT PRICES. PRICES MAY BE SUBJECT TO CHANGE WITHOUT NOTICE. STANDARD HARDWARE ITEMS ARE AVAILABLE AT LOCAL HARDWARE STORES.

TO OBTAIN PARTS DO NOT GO BACK TO THE STORE WHERE YOU PURCHASED THIS UNIT

ALWAYS INCLUDE THE FOLLOWING INFORMATION WHEN ORDERING PARTS:
MODEL NO. NAME OF PART ORDERING NUMBER

WARNING

CONSULT YOUR PHYSICIAN

CONSULT YOUR PHYSICIAN BEFORE STARTING YOUR EXERCISE PROGRAM. IT IS ADVISABLE TO HAVE A PHYSICAL EXAMINATION BY YOUR PHYSICIAN BEFORE YOU ENTER ANY EXERCISE PROGRAM.

FOR YOUR OWN SAFETY, DO NOT BEGIN ANY EXERCISE WITHOUT PROPER INSTRUCTION. CHILDREN AND HANDICAPPED PERSONS SHOULD NOT USE ANY EXERCISE EQUIPMENT WITHOUT A QUALIFIED PERSON IN ATTENDANCE.

TRAIN WITH A PARTNER

IT IS RECOMMENDED THAT AN INDIVIDUAL SHOULD NOT WORK OUT WITHOUT A TRAINING PARTNER IN ATTENDANCE. SET UP YOUR PROGRAM TO ACCOMMODATE TWO PEOPLE AND YOU WILL BE HIGHLY MOTIVATED.